

Patent Abstracts of Japan

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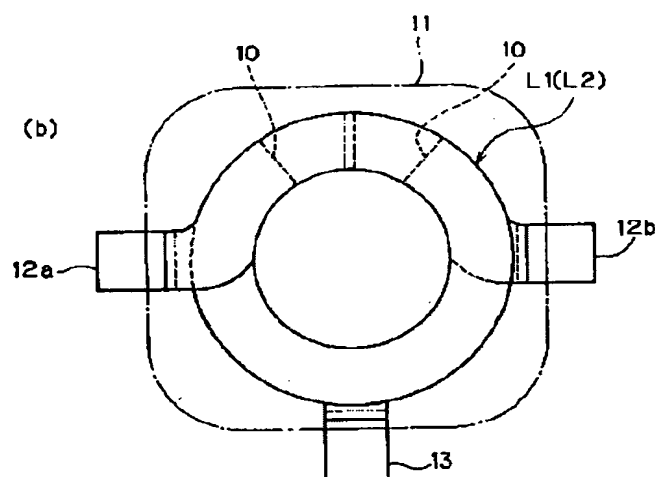
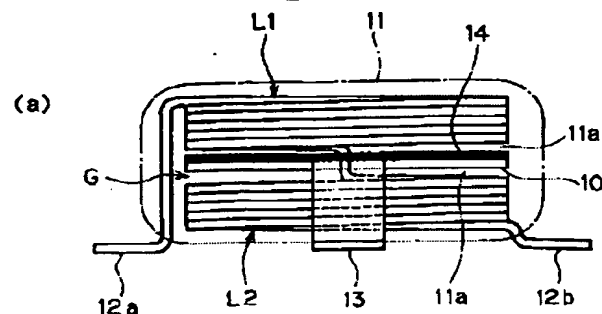
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APPLICANT : MURATA MFG CO LTD;

INVENTOR : SUGITANI MASAMI;

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TITLE : LC FILTER



ABSTRACT : **PROBLEM TO BE SOLVED:** To provide an LC filter capable of reducing the residual inductance of a capacitor, obtaining excellent attenuation characteristics even to a high frequency band, enlarging attenuation at a specified frequency and being used for a large current use.

SOLUTION: Two coils L1 and L2 obtained by helically molding a metallic plate are serially connected and disposed so as to generate mutual inductance. Also, near the connection point of the two coils L1 and L2, an electrode plate 10 for capacity provided with a shape to be included in the shape in the case of viewing the coils L1 and L2 from the axial direction is disposed so as to face a part of the coils L1 and L2 and a part of the coils L1 and L2 functions as one electrode for obtaining the capacity.

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